

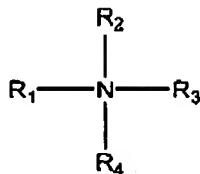
PATENT
Attorney Docket No. 50623.00067

AMENDMENTS TO THE SPECIFICATION:

After the paragraph that begins on page 5, line 1, of the specification please insert the following paragraphs:

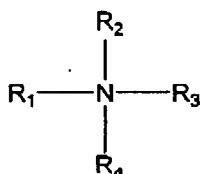
Heparin derivatives described in U. S. Patent 5,069,899 include the following aromatic ammonium ions: benazalkonium, cetylpyridinium, benzyl dimethyl stearyl ammonium. Heparin derivatives describe in U. S. Patent 3,844,989 include the following aromatic ammonium ions: those containing vinyl pyridines, ions containing vinyl pyridine and a benzyl group, and a class of alkyl aryl ammonium ion containing a C1-C18 aryl group. Heparin derivatives described in U. S. Patent 3,846,353 include the following ammonium ions: tridodecyl benzyl ammonium cations. Heparin derivatives described in U. S. Patent 3,865,723 include the following ammonium ions: toluidine blue (polyaromatic rings). Heparin derivatives described in U. S. Patent 3,506,642 include ammonium ions sourced from the following bases: imidazole, pyridine, 3-amino-cinnoline, 2-amino thiazole, purine, 4-ureidosulphonylaniline, 2-ethoxycarbonyl aniline, 3-amino biphenyl, 2-amino-4,6-dimethylpteridine, 2-amino-6,7-dimethylpteridine, 2-aminoquinoxaline, 2,3-diaminoquinoxaline, triazole, 2-amino pyrimidine, 5-amino-4-methyl pyridine, 1-phenyl pyrrolidine, methylindanyl amino indane, N-methyl-1,4-benzoquinone imine, 1,4-benzoquinone imine, N-benzyl-1,4-benzoquinone imine, Thioflavine T, N-methyl cytidine, biliverdine, and Rhodamine B.

Heparin derivatives described in U. S. Patent 5,013,717 comprise an alkylammonium salt with the structure shown below,

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wherein R_1 may be selected from the group consisting of an alkyl group of about 7 to 18 carbon atoms and R_2 , R_3 , and R_4 may independently be selected from the group consisting of hydrogen, an alkyl group of 1 to 18 carbon atoms, and an aralkyl group of 7 to 18 carbon atoms.

Heparin derivatives described in U. S. Patent 5,322,659 include ammonium ions with the formula shown below wherein R_1 , R_2 , R_3 , and R_4 may independently be methyl, phenyl, benzyl or phenyl and benzyl substituted with a halogen, vinyl or 1-4-carbon alkyl group.



Heparin derivatives described in U. S. Patent 5,322,659 also include ammonium ions such as benzyltrimethylammonium chloride, p-chlorobenzyltrimethylammonium bromide, benzyl-vinylbenzyl dimethylammonium chloride, dibenzylmethyl-vinylbenzyl ammonium chloride, tetraphenylammonium chloride, dibenzyl dimethylammonium chloride, butyl benzyl-trimethylammonium chloride, tribenzylmethylammonium bromide and the like.